



within the circle of the eyes above and behind the second ocellus, viii is before the second ocellus, and ix is above the base of the antenna. The clypeal setæ are shown, but not numbered. Figure 2 represents *C. melsheimerii*. It is evident at a glance that the spathulate seta or antenna-like appendage is the fourth epicranial seta. The head of *C. melsheimerii* is coarsely roughened with broad rounded pits. All the upper setæ (namely i and ii on epicranium and the three upper clypeal setæ) are greatly reduced, only tiny rudiments remaining. Seta iii is small but distinct, iv is enormously enlarged and flattened, situated above and behind the fourth ocellus. All the lower setæ are normally developed.

*Cicinnus* belongs to the Microlepidoptera (Tineides), and the exact position of its head setæ is in many respects more directly comparable with other Tineides. For example in *Plutella porrectella*, seta viii is situated before the fourth ocellus as in *Cicinnus* and not low down near seta ix as in the Noctuidous larva shown. However, I have preferred to figure the Noctuidous larva, as the comparison is thus given a wider scope.

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#### DESIDERATA OF NORTH AMERICAN NOTODON-TIDÆ.

BY A. S. PACKARD.

The following gaps or desiderata occur in our knowledge of the larvæ or the life-history of the North American Notodontidæ, and attention is drawn to them here in order that collectors and students may aid us in filling them up. It is particularly requested that the desired

eggs and larvæ may be sent to the author in order that colored drawings may be made of them for future publication in Part II. of the author's monograph of the Bombycine Moths of North America.

Three genera are still unknown, either in the egg, larval or pupal stage; these are *Ellida*, *Euhyparpax* and *Nystalea*.

Eggs and larva in all stages of

**Glaphisia wrightii.**

*rupta.*

*albofascia.*

*formosa*.

*lintoni.*

**Apitelodes angelica.**

**Datana californica.**

*floridana.*

*modesta.*

Eggs and early larval stages of

**Ichthyura apicalis.**

*inornata.*

*strigosa.*

*brucei.*

**Lophodonta basitriens.**

Eggs and larva in all stages of

**Drymonia georgica.**

**Lophopteryx elegans.**

*camelina.*

Eggs and stages I and II of

**Notodontia strigula.**

Eggs and all the larval stages of

**Notodontia simplaria.**

**Ellida caniplaga.**

**Dasylophia thyatiroides.**

Eggs and larva of the two forms of

**Symmerista albifrons.**

Eggs and larva of

**Symmerista packardii.**

Eggs of **Hyparpax aurora.**

Eggs and all the larval stages of

**Hyparpax perophoroides.**

**Hyparpax venus.**

**Euhyparpax rosea.**

Eggs and larva in all stages of

**Schizura apicalis.**

**Schizura perangulata.**

Eggs and stages I, II, III, of

**Seirodonta bilineata.**

**Heterocampa manteo.**

**Heterocampa astarte.**

Eggs and all the larval stages of

**Heterocampa chapmani.**

**Heterocampa plumosa.**

**Heterocampa hydromeli.**

**Heterocampa belfragei.**

**Heterocampa subrotata.**

**Cerura occidentalis.**

**Cerura occidentalis.**

**Cerura scolopendrina.**

**Nystalea indiana.**

The pupa of each or any of these is desired, either alive, or in alcohol, or the cast shells. Eggs and larvæ of the following are also desired: *Platysamia ceanothi*, *gloveri*, *columbia*; *Hemileuca maia*; *juno*, *grotei*, and *yavapai*, (*Euleucophæus*) *tricolor*, *pamina*; *Coloradia pandora*; *Limacodes biguttata*, *rectilinea*, *y-inversa*. *Semyra beutenmulleri*, *Adoneta leucosigma* and *pygmæa*, *Heterogenea ciesenaria*, *Tortricidia flavula*, *minuta* and *fasciola*. *Gloveria arizonensis* *Tolype velleda* and *laricis*, *Artace punctistriga*. A. S. Packard, Providence, R. I. Address during July and August, Merepoint, Cumberland Co., Maine.